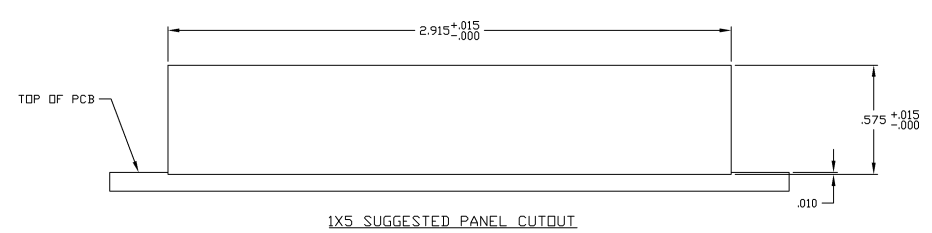
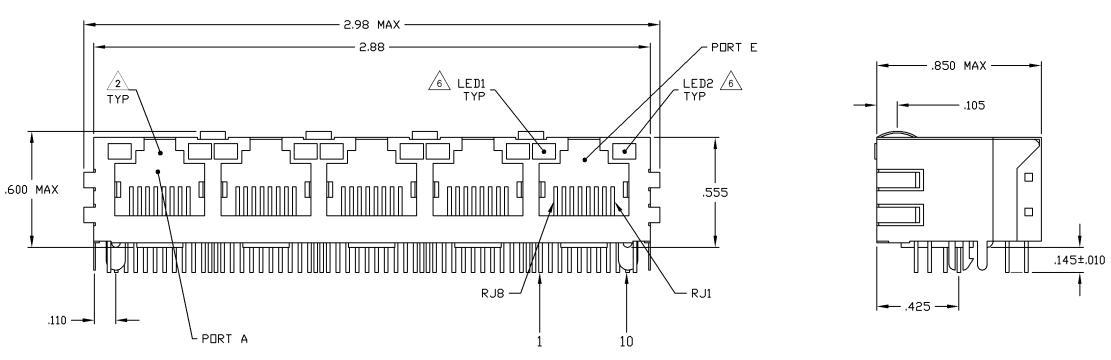
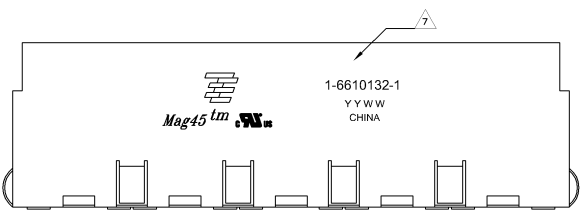


MECHANICAL:

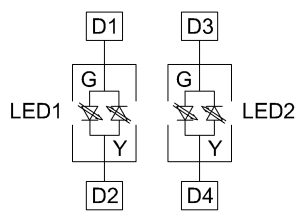
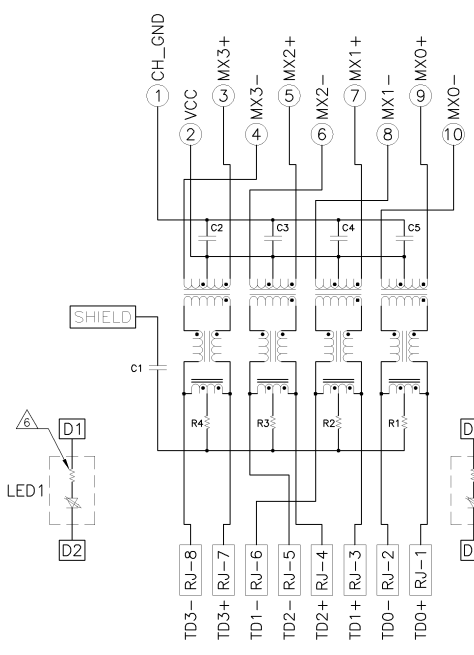


- △ MATERIALS
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100μINCH MIN MATTIE TIN AND/OR SAC SOLDER DIP.
 - LIGHT EMITTING DIODE (LED) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 50μINCH NICKEL UNDERPLATE OVER 4.0μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μIN MATTIE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- △ MAGNETICS
 - APPLICATION: 10/100/1000 BASE-T
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (IMP CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350nH MIN @100MHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 4.0MHz
 - 12-20LOG|S|/80dB MIN FROM 4.0MHz TO 100MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 4.0MHz
 - 33-20LOG|S|/50dB MIN FROM 4.0MHz TO 100MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 - ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 48.6.1.1, ITEM D
- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- △ THE MAGNETICS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.
- △ THE 25Ω OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. LEDs WITHOUT 25Ω OHM RESISTOR, LEDs ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA.
 - LED COLOR DOMINANT WAVELENGTH (AD): GREEN 568 nm TYP @ IF=20 mA
 - FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20 mA
 - DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP @ IF=20 mA
 - FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA
 - IF LEDs WITH BUILT-IN RESISTOR, LEDs ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
 - LED COLOR DOMINANT WAVELENGTH (AD): GREEN 568 nm TYP @ VF=5V
 - FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V
 - DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP @ VF=5V
 - FORWARD CURRENT (IF): YELLOW 8mA TYP @ VF=5V
- △ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 8 THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

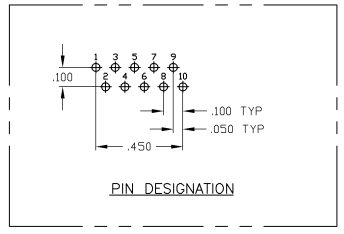
GREEN	YES	GREEN	YES	1-6610132-1
YELLOW	NO	YELLOW	NO	1-6610132-0
GREEN	NO	GREEN	NO	6610132-9
GREEN	NO	YELLOW	NO	6610132-8
GREEN	NO	GREEN	NO	6610132-7
GREEN/YELLOW	NO	GREEN/YELLOW	NO	6610132-6
GREEN/YELLOW	NO	GREEN	NO	6610132-5
GREEN/YELLOW	NO	GREEN	YES	6610132-4
YELLOW	YES	YELLOW	YES	6610132-3
YELLOW	YES	GREEN	YES	6610132-2
GREEN	YES	YELLOW	YES	6610132-1
LED 1	250 OHMS RESISTOR	LED 2	250 OHMS RESISTOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. THE FOLLOWING DOCUMENTS ARE REQUIRED TO MANUFACTURE THIS PRODUCT: DRAWING: 108-2100; APPLICATION SPEC: A100779C-6610132; DATE CODE: 080808; TITLE: CUSTOMER DRAWING; SCALE: 4:1; SHEET: 1 OF 2.

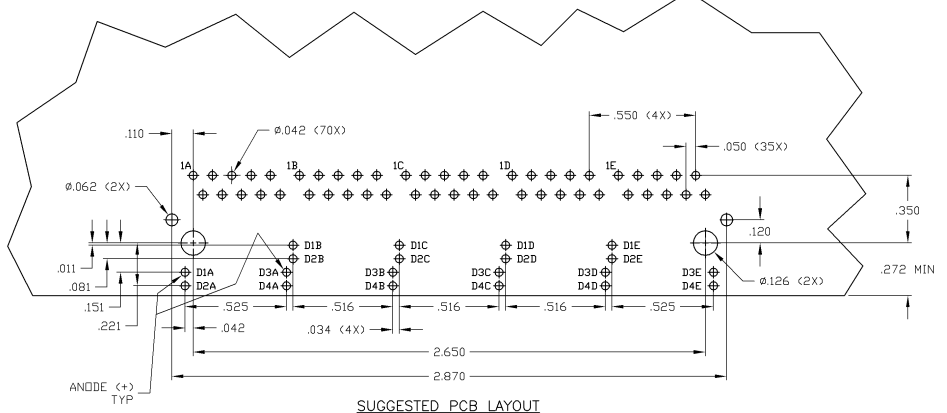
7G05 GIGABIT CIRCUIT



LED CONFIGURATION FOR BI-COLOR



PIN DESIGNATION



SUGGESTED PCB LAYOUT (Component Side)

R1-R4 = 75 OHMS, 1/16W RESISTORS
 C1 = 1000pF, 2kV CAPACITOR
 C2 - C5 = 0.1uF, 10%, 50V CAPACITORS

THIS DRAWING IS A CONTROLLED DOCUMENT		REV A	DATE 22	DESCRIPTION	SEE SHEET 1
DESIGNED BY	DR	108-2100	7005	7005	7005
CHECKED BY	SR				
APPROVED BY	SR				
DATE					
SCALE		4:1			
CUSTOMER DRAWING					